

FIG. 1 PRIOR ART

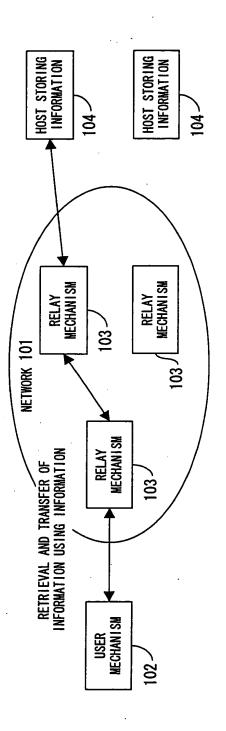
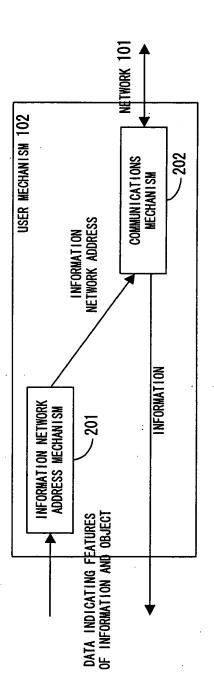


FIG. 2



F I G. 3

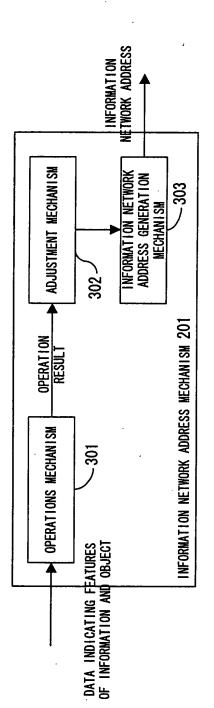
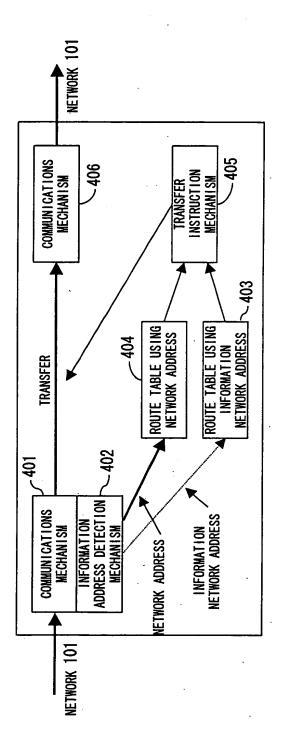


FIG. 4



F I G. 5

VERS	HLEN TOS TOTAL LENGTH			OTAL LENGTH
ID!	ENTIFICA	ATION	FLAGS	FRAGMENT OFFSET
TIME T	OLIVE	PROTOCOL	HE	ADER CHECKSUM
·	SOURCE IP ADDRESS		SS	
	DESTINATION IP ADDRESS IP OPTIONS & PADDING		RESS	
			NG	

FIG. 6

	0	 - -	2	3	4		8	16		24	31
A	0	1	NE A[T	WERE	ORK ESS		НО	ST ADDRES	s	
В	1	0			N	ETWC	RK	ADDRESS	HOST	AD	DRESS
c	1	1	0					NETWORK AD	DRESS		HOST ADDRESS
D	1	1	1	0				MULTICAST	ADDRESS		
E	1	1	1	1	0	ADI	DRI	ESS RESERVED	FOR FUTU	JRE	ŲSE
							•				
			С	L	\S	s			RANGE		
	F			_	_						

CLASS		RANG	E
A	0.0.0.0	~	127.255.255.255
В	128.0.0.0	~	191.255.255.255
С	192.0.0.0	~	223.255.255.255
D	224.0.0.0	~	239.255.255.255
E	240.0.0.0	~	247.255.255.255
PRIVATE	10.0.0.0	~	10.255.255.255
ADDRESS	172.0.0.0	~	172.31.255.255
	192.168.0.0	~	192.168.255.255

FIG. 7

NETWORK ADDRESS	MASK	RELAYED-TO LINK ADDRESS	DISTANCE
ADDRESS 1	MASK 1	RELAYED-TO LINK 1	DISTANCE 1
ADDRESS 2	MASK 2	RELAYED-TO LINK 2	DISTANCE 2
ADDRESS 3	MASK 3	RELAYED-TO LINK 3	DISTANCE 3
•••	***	•••	•••

F I G. 8

INFORMATION NETWORK ADDRESS	RELAYED-TO LINK ADDRESS	DISTANCE
ADDRESS 1	RELAYED-TO LINK 1	DISTANCE 1
ADDRESS 2	RELAYED-TO LINK 2	DISTANCE 2
ADDRESS 3	RELAYED-TO LINK 3	DISTANCE 3
•••	•••	***

F I G. 9

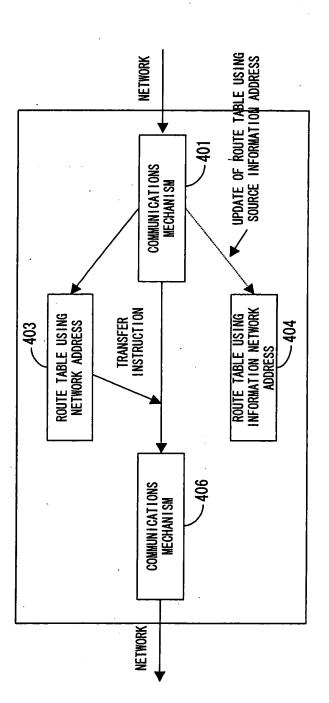


FIG. 10

-	UPDAIING ROUIE TABLE USING INFORMATION NETWORK ADDRESS FOR INFORMATION ROUTE IN DIRECTION OF LINK THROUGH WHICH RELAY PACKET IS RECEIVED	INFORMATION ROUTE UPDATING PROCESS	4
NORMAL NETWORK ADDRESS → 1		LICOLOG	
INFORMATION NETWORK ADDRESS → 4	CHECKING SOURCE ADDRESS OF RELAY PACKET	SOURCE ADDRESS CHECKING PROCESS	3-2
<u> </u>	UPDATING ROUTE TABLE USING INFORMATION NETWORK ADDRESS AND ROUTE TABLE USING NETWORK ADDRESS AT INSTRUCTION OF MANAGEMENT PACKET	ROUTE UPDATING PROCESS USING MANAGEMENT PACKET	3-1
WHEN RELAY PACKET IS RECEIVED → 3-2	מובמעונא ערסבו זבט ו עמודן	PROCESS	•
WHEN MANAGEMENT PACKET IS RECEIVED → 3-1	CHECKING DECEIVED BACKET	INFORMATION ROUTING	~
es ↑	DETERMINING OPTIMUM ROUTE TRANSFERRING PACKET IF POSSIBLE	PROCESS	7-7
	SEARCHING ROUTE TABLE USING NETWORK ADDRESS	NORMAL ROLLTE RELAYING	
	TRANSFER PACKET IF POSSIBLE		
₩ 1	DETERMINING OPT		7-1
	SEARCHING ROUTE TABLE USING INFORMATION NETWORK ADDRESS	INFORMATION ROUTE RELAYING	9.1
NORMAL NETWORK ADDRESS → 2-2			
INFORMATION NETWORK ADDRESS → 2-1	CHECKING DESTINATION ADDRESS	PACKET RECEIVING PROCESS	2
RECEIVING MANAGEMENT PACKET → 3	CHECKING RECEIVED PACKET		-
RECEIVING RELAY PACKET → 2	WAITING FOR RECEPTION OF PACKET	PACKET RECEPTION WAITING	•
STATE TRANSITION	CONTENTS OF PROCESS	PROCESS NAME	STEP

FIG. 11